

Hi!

@pgte

github.com/pgte

metaduck.com

nodetuts.com

Dtrace Flamegraphs as a Service

Problem

Trouble scaling a **CPU-bound** WebSocket
server

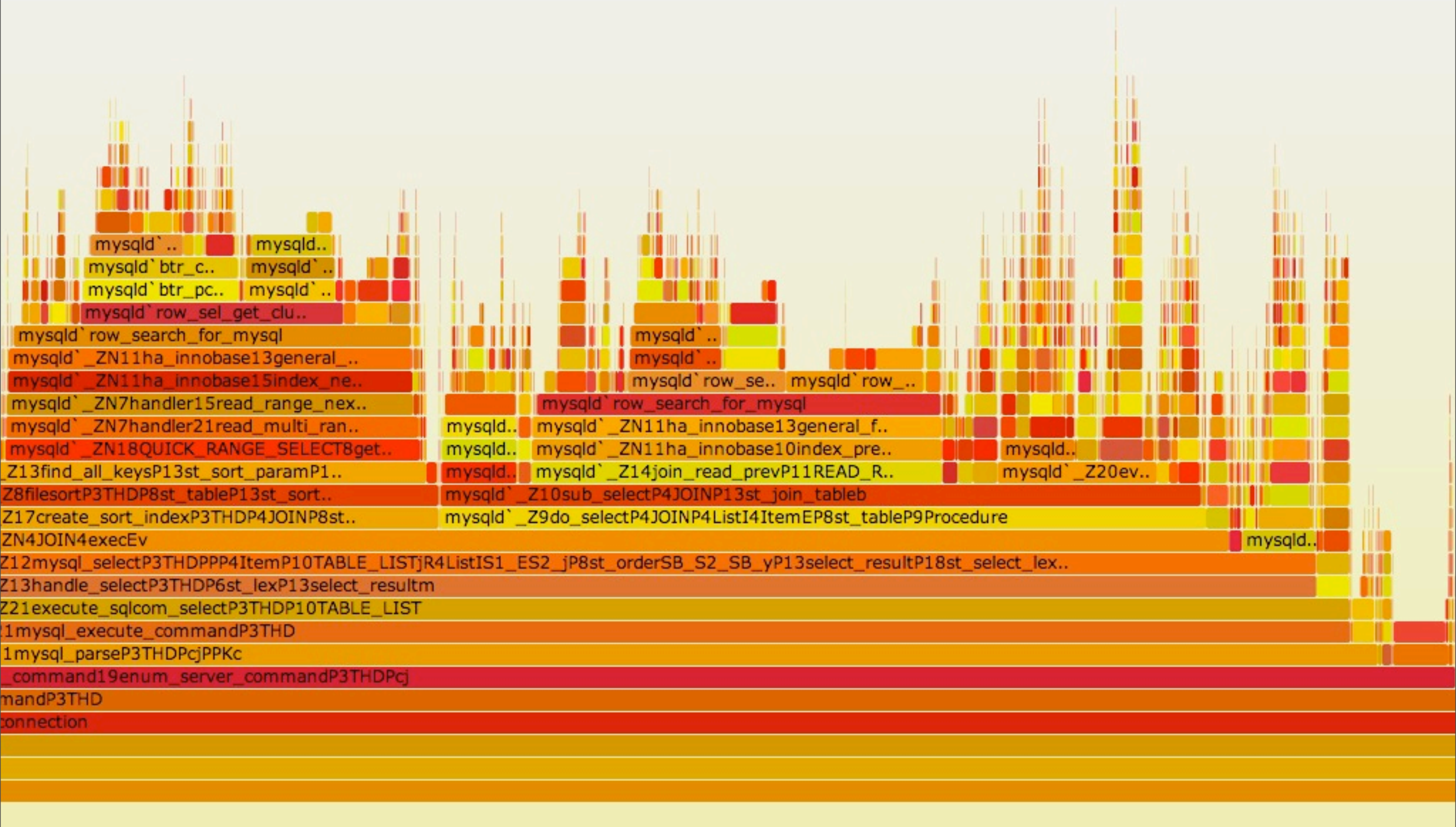
To diagnose this, I needed to analyze where this websocket server was spending CPU time on.

Just like it is essential to profile your front end applications if you are a real node application you need to profile them if you want to produce high quality and responsive software.

Solution

As Anton Whalley mentioned:
DTrace!

Flame Graph



mysql` ..

Not that easy

- Open Solaris (SmartOS, etc.)
- Node.js compiled with 64 bit and --with-dtrace

Finally

After lots of lost time I finally managed to
get my flame graph



Pedro Teixeira

@pgte

Quick survey: if I build a service that will split out a flame graph when you push to a github repo, will they come?

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1

RETWEET

1

FAVORITE



9:41 AM - 7 Aug 13

Reply to [@pgte](#)



Matt Field @mattfieldy

7 Aug

[@pgte](#) I'd be super-interested to see that!

[Details](#)

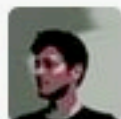


Dominic Tarr @dominictarr

7 Aug

[@pgte](#) I would use that. I think the level-* community would too...

[Details](#)



Igor Soares @igorsoarez

7 Aug

[@pgte](#) sure as hell yes

[Details](#)



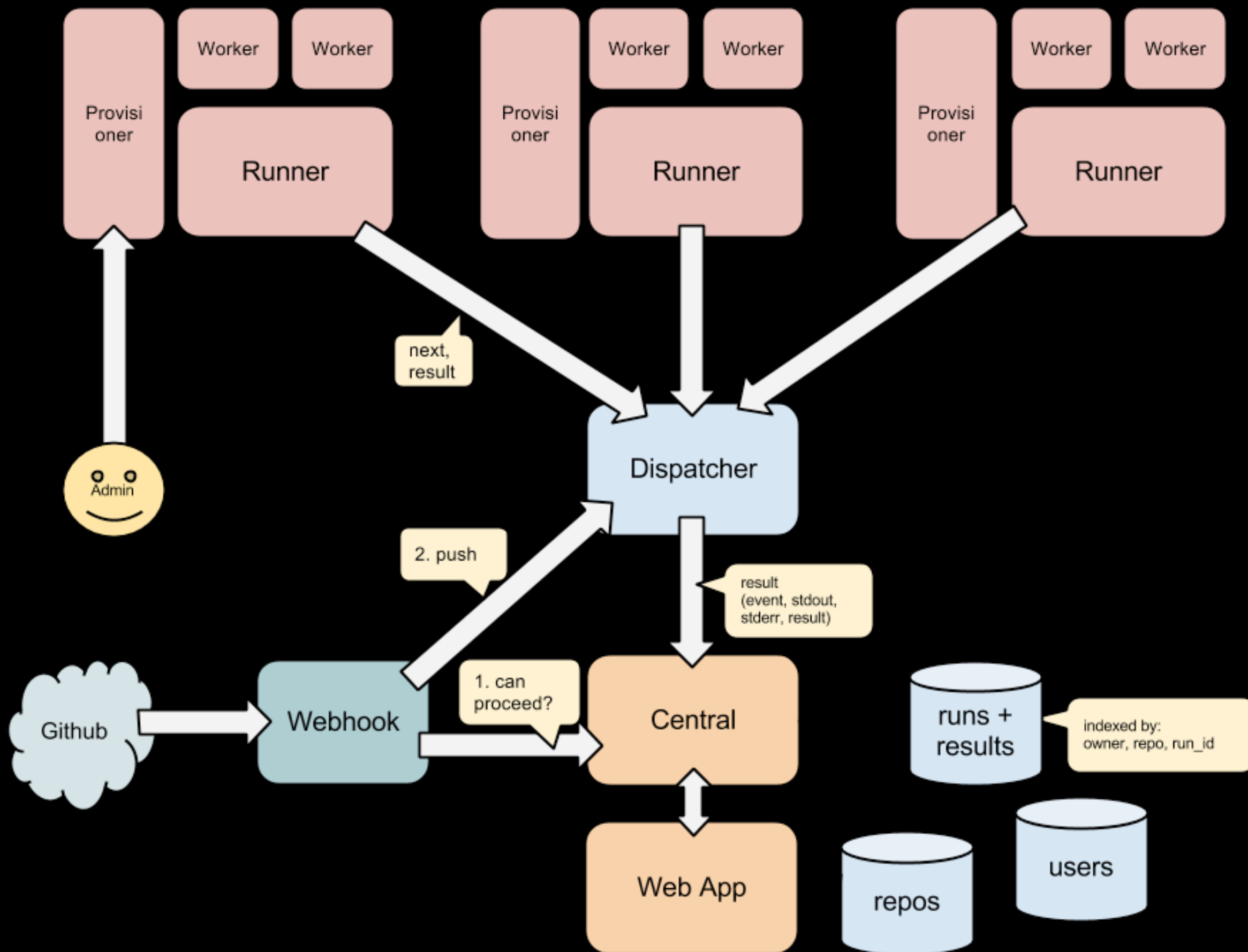
Brendan Gregg @brendangregg

14 Aug

[@pgte](#) would be useful; comparing two flame graphs is good for non-regression analysis; previous version vs current

[Details](#)

1. **|** Push to github
2. **system** runs benchmark script
3. **system** outputs flamegraph



Demo time!

- Free for open-source projects
- Not yet available

Interested?

Come ask me more about it!

@pgte